



## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
 United States Patent and Trademark Office  
 Address: COMMISSIONER FOR PATENTS  
 P.O. Box 1450  
 Alexandria, Virginia 22313-1450  
[www.uspto.gov](http://www.uspto.gov)

## BIB DATA SHEET

CONFIRMATION NO. 8991

SERIAL NUMBER	FILING or 371(c) DATE RULE	CLASS	GROUP ART UNIT	ATTORNEY DOCKET NO.
10/712,593		375	2816	TI-34776

**APPLICANTS**

Khurram Muhammad, Richardson, TX;  
 Robert B. Staszewski, Garland, TX;  
 Dirk Leipold, Plano, TX;

NONE/DL

**\*\* CONTINUING DATA \*\*\*\*\***

NONE/DL

**\*\* FOREIGN APPLICATIONS \*\*\*\*\*****\*\* IF REQUIRED, FOREIGN FILING LICENSE GRANTED \*\***

02/23/2004

Foreign Priority claimed	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	STATE OR COUNTRY	SHEETS DRAWINGS	TOTAL CLAIMS	INDEPENDENT CLAIMS
35 USC 119(a-d) conditions met	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Met after Allowance DL Initials	TX	8	40

**ADDRESS**

TEXAS INSTRUMENTS INCORPORATED  
 P O BOX 655474, M/S 3999  
 DALLAS, TX 75265

**TITLE**

Technique for improving antialiasing and adjacent channel interference filtering using cascaded passive IIR filter stages combined with direct sampling and mixing

<b>FILING FEE RECEIVED</b> 3600	FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following:	<input type="checkbox"/> All Fees
		<input type="checkbox"/> 1.16 Fees (Filing)
		<input type="checkbox"/> 1.17 Fees (Processing Ext. of time)
		<input type="checkbox"/> 1.18 Fees (Issue)
		<input type="checkbox"/> Other _____
		<input type="checkbox"/> Credit